



DORSEY RUN IS CONSIDERED TO RUN  
IN A NORTH/SOUTH DIRECTION.

### PROPOSED SIGNALS

1,2,3  
R  
Y  
G  
12"

4-10  
R  
Y  
G  
12"

### PROPOSED EQUIPMENT

I,II,III,IV  
VIDEO DETECTION  
CAMERA

### PROPOSED SIGNS

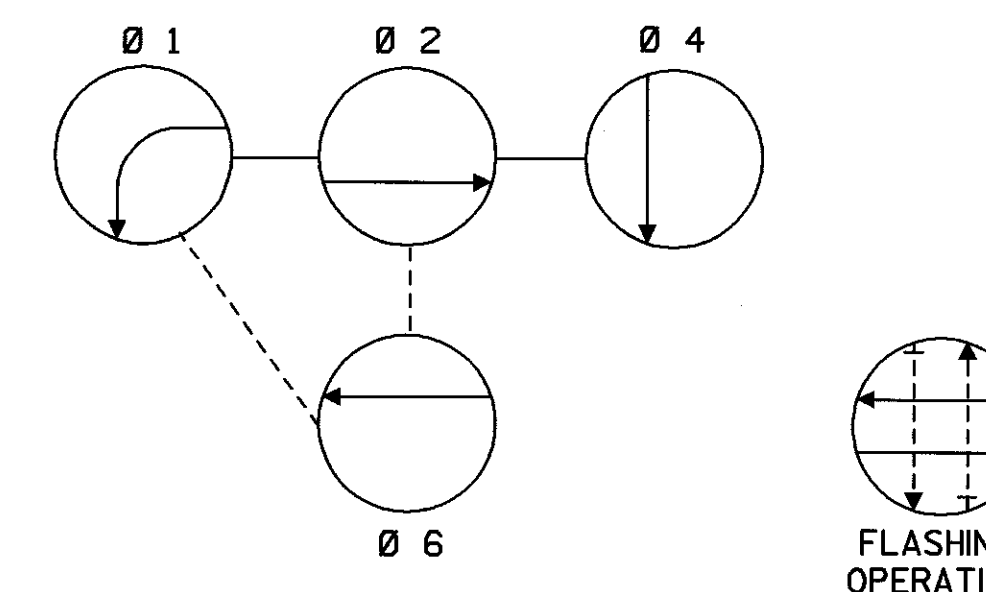
11,12,14  
ONLY  
R3-5(L)  
30' X 36'

13  
Dorsey Run RD  
D3-2 SINGLE FACED  
16' X VARIABLE

15  
R3-6(L)  
30' X 36'

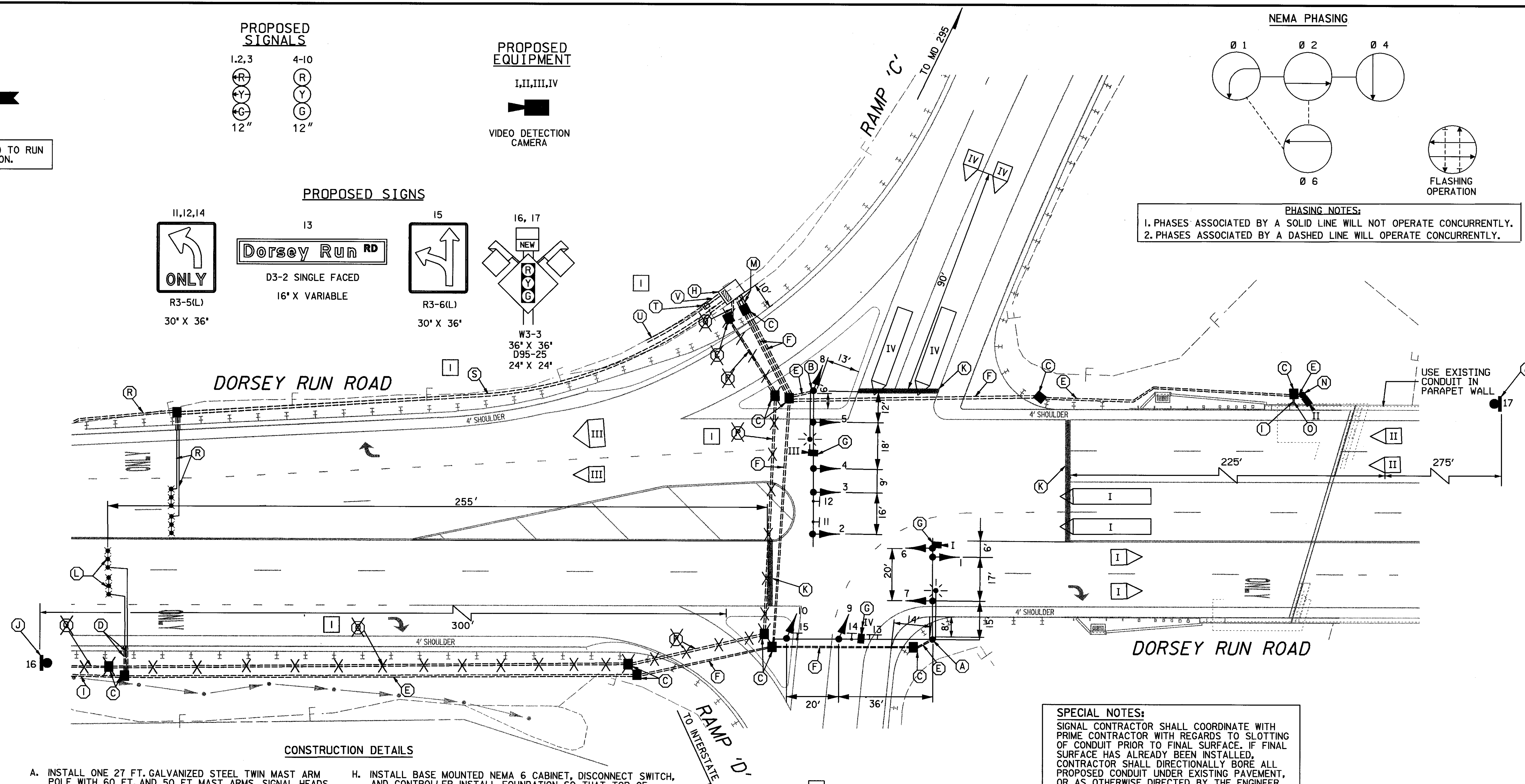
16, 17  
NEW  
W3-3  
36' X 36'  
D95-25  
24' X 24'

### NEMA PHASING



### PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.



### CONSTRUCTION DETAILS

- INSTALL ONE 27 FT. GALVANIZED STEEL TWIN MAST ARM POLE WITH 60 FT. AND 50 FT. MAST ARMS, SIGNAL HEADS, SIGNS, AND 15 FT. STEEL LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE (NOTE: 2-3 INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND). 50 FT MAST ARM SHALL BE CUT, CAP, AND GALVANIZED TO A 38 FT LENGTH.
- INSTALL ONE 27 FT. GALVANIZED STEEL MAST ARM POLE WITH 60 FT. MAST ARM, SIGNAL HEADS, SIGNS, AND 15 FT STEEL LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE (NOTE: 2-3 INCH SCHEDULE 80 DEGREE PVC CONDUIT BEND).
- INSTALL HANDHOLE.
- INSTALL 1" CONDUIT SLEEVE FOR DETECTOR LEAD-IN.
- INSTALL 3" SCHEDULE 80 PVC CONDUIT, TRENCHED.
- INSTALL 4" SCHEDULE 80 PVC CONDUIT, SLOTTED PRIOR TO FINAL OVERLAY.
- INSTALL VIDEO DETECTION CAMERA.
- INSTALL BASE MOUNTED NEMA 6 CABINET, DISCONNECT SWITCH, AND CONTROLLER. INSTALL FOUNDATION SO THAT TOP OF FOUNDATION IS 3 INCH ABOVE GRADE.
- SEE SIGNAL INTERCONNECT PLAN.
- INSTALL GROUND MOUNTED SIGN ON ONE 4 IN. X 6 IN. BREAKAWAY WOOD POST.
- PAVEMENT MARKING TO BE COMPLETED BY OTHERS.
- INSTALL MICROLOOP.
- INSTALL 4" SCHEDULE 80 PVC CONDUIT, TRENCHED.
- INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH VIDEO DETECTION CAMERA.
- INSTALL CONDUIT TO EXISTING CONDUIT BEND IN NEW PARAPET WALL.
- INSTALL ONE 4 INCH PVC SCHEDULE 80 CONDUIT WITH TWO 1-CONDUCTOR #1/0 AND ONE 1-CONDUCTOR #4 GRD WIRES (SLOTTED PRIOR TO FINAL OVERLAY). SEE SG-01 FOR ONE-LINE ELECTRICAL DIAGRAM.
- INSTALL ONE 4 INCH PVC SCHEDULE 80 CONDUIT WITH TWO 1-CONDUCTOR #1/0 AND ONE 1-CONDUCTOR #4 GRD WIRES, TRENCHED, FOR POWER TO PROPOSED EQUIPMENT CABINET. SEE SG-01 FOR ONE-LINE ELECTRICAL DIAGRAM.
- SEE TRAFFIC SIGNALIZATION PLAN FOR DORSEY RUN ROAD AT GUILFORD ROAD (SG-01)
- INSTALL 4 INCH SCHEDULE 80 CONDUIT WITH SIGNAL INTERCONNECT CABLE, TRENCHED.
- INSTALL METERED SERVICE PEDESTAL APPROXIMATELY 10 FT FROM PROPOSED CABINET LOCATION.
- INSTALL 4 INCH SCHEDULE 80 CONDUIT TRENCHED FROM METERED PEDESTAL TOWARD GUILFORD ROAD (TO THE NORTH) WITH PULL CORD. EXTEND 4 INCH CONDUIT APPROXIMATELY 300 FEET FROM METERED SERVICE PEDESTAL LOCATION. MARK TERMINAL POINT WITH A WOODEN STAKE. BGE SHALL INSTALL A TRANSFORMER AND CONNECT TO THE 4 INCH CONDUIT APPROXIMATELY 300 FEET NORTH OF CABINET LOCATION. BGE SHALL INSTALL ELECTRICAL WIRING IN 4 INCH CONDUIT AND EXTEND TO NEW METERED SERVICE PEDESTAL ADJACENT TO CABINET (SEE NOTE T ABOVE).
- INSTALL 2" CONDUIT WITH TWO 1-CONDUCTOR #4 AND ONE 1-CONDUCTOR #6 GRD WIRES BETWEEN METERED SERVICE PEDESTAL AND EQUIPMENT CABINET, TRENCHED.

### SPECIAL NOTES:

SIGNAL CONTRACTOR SHALL COORDINATE WITH PRIME CONTRACTOR WITH REGARDS TO SLOTTING OF CONDUIT PRIOR TO FINAL SURFACE. IF FINAL SURFACE HAS ALREADY BEEN INSTALLED, CONTRACTOR SHALL DIRECTIONALLY BORE ALL PROPOSED CONDUIT UNDER EXISTING PAVEMENT, OR AS OTHERWISE DIRECTED BY THE ENGINEER.

### GENERAL NOTES:

- PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE BE INSTALLED BY OTHERS.

REVISION NO. 1 - SEPARATE  
POWER SOURCE FOR SIGNAL  
AT WESTBOUND MD 32 RAMP

### UTILITY LEGEND

G — G — GAS MAIN  
W — W — WATER MAIN  
S — S — SEWER MAIN  
D — D — STORM DRAIN  
TV — TV — CABLE TELEVISION  
E — E — ELECTRIC CABLES  
T — T — TELEPHONE CABLES  
A — A — AERIAL CABLES  
FO — FO — AERIAL CABLES

**WHITNEY  
BAILEY  
COX  
MAGNANI**

CONSULTING  
ENGINEERS  
849 FAIRMOUNT AVENUE  
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BALTIMORE, MD 21286  
(410) 512-4500

### REVISIONS

### APPROVALS

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNALIZATION PLAN  
WESTBOUND MD 32 RAMPS  
AT DORSEY RUN ROAD

DRAWN BY: W.J.M./E.N.B.  
CHECKED BY: M.J.A.  
SCALE: 1"=20'  
DATE: MAY 2003

F.A.P. NO. AC-STPG-0005(904)E  
S.H.A. NO. AT3585185  
COUNTY: HOWARD  
LOG MILE: 13003200.05

TS NO. 4651  
T.I.M.S. NO. D469

SHEET NO.  
3 OF 7